SHURE PRO AUDIO

Beta 98/S

The Shure Beta 98/S is a compact, high-output supercardioid condenser microphone for professional sound reinforcement and studio recording. Its extremely uniform supercardioid pickup pattern provides high gain-before-feedback and excellent rejection of unwanted noise. Its high maximum sound pressure level (SPL) makes it useful for a variety of instruments including drums, piano, reed, wind, and string. The Beta 98/S can also be used for amplified guitars.

The optional A98D drum mount has a specially designed gooseneck that allows the microphone to be positioned freely, yet holds it securely in place once the ideal placement has been found.

Features
Specifications
Accessories
User Guides

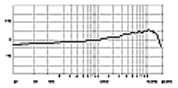
- Tailored frequency response for studio quality performance
- Wide dynamic range for use in high SPL environments
- Uniform supercardioid pattern for high gain before feedback and superior rejection of off-axis sound
- Optional A98D drum mount is unobtrusive and versatile, allowing precise positioning of the microphone while holding it firmly in place
- Compact design reduces stage clutter
- Detachable cable for easy storage
- Interchangeable microphone cartridges with different polar patterns are available
- Legendary Shure quality, ruggedness, and reliability

Type

Condenser (electret bias)

Frequency Response

20 to 20,000 Hz

 view larger

(measured at 304.8 mm [1 ft] from a spherical sound source, free field conditions)

Polar Pattern

Supercardioid (as supplied), uniform with frequency, symmetrical about axis. Cartridge for cardioid polar pattern also available.

Output Level (at 1,000 Hz)

Open Circuit Voltage: -59 dBV/Pa* (1 mV) typical
*1 Pa = 94 dB SPL

Maximum SPL

(20 Hz to 20 kHz, less than 1% THD)
2.5 kilohm load: 160 dB
1 kilohm load: 156 dB

Preamplifier Output Clipping Level

(20 Hz to 20 kHz, less than 1% THD)
2.5 kilohm load: + 6 dBV (2.0 V)
1 kilohm load: + 2 dBV (1.26 V)

Dynamic Range
(at 20 Hz to 20 kHz, less than 1% THD, 2.5 kilohm load)
125 dB (max SPL minus A-weighted noise)

Output Noise
35 dB SPL, A-weighted

Signal-to-Noise Ratio
59 dB re 94 dB SPL

Output Impedance
Rated at 150 ohms (actual)
Recommended minimum load impedance: 1 kilohm

Hum Pickup
-7.5 dB equivalent SPL in 1 mOe field (60Hz)

Polarity
Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Phantom Power
48 Vdc +/- 4 Vdc(IEC-268-15/DIN 45 596), positive pins 2 and 3.

Cable
BETA 98/S: 7.6 m (25 ft) light-weight, two-conductor shielded, TA4F to TA3F mini connectors.
BETA 98D/S: 4.6 m (15 ft) heavy-duty, two-conductor shielded, TA4F to TA3F mini connectors.

Case
Microphone: Matte black enamel brass case and stainless steel inner grille
Preamplifier: Matte black enamel finished steel

Dimensions
Microphone: 11.7 mm X 35.6 mm (0.46 in. X 1.40 in.)
Preamplifier: 20 mm X 99 mm (0.79 in. X 3.89 in.)

Net Weight
Microphone: 12 g (0.4 oz) less cable
Preamplifier: 96 g (3.4 oz)

A98D Microphone Drum Mount
The Shure A98D is designed specifically for mounting Shure Beta 98/S or SM98A microphones on a drum. The gooseneck-adapter allows for optimum microphone placement.

A412MWS Locking Metal Windscreen
Windscreen, Locking Metal, for Microflex Gooseneck Microphones.

C98D Replacement Cable for Beta 91, Beta 98 Microphones
Cable for Beta 91, Beta 98S, Beta 98D/S Microphones.

RK183WS Black Snap-Fit Foam Windscreen

Black Snap-fit foam windscreen for Beta 98, MX183, MX184, MX185, MX202 Series, WH30, WL183, WL184, WL185 Microphones (Contains four).

RK282 Swivel Adapter for Beta 98S Microphone

Stand Adapter with Integral Shock Mount for Beta 98/S Microphone.

RPM108 Cardioid Cartridge for Beta 91 or Beta 98

Replacement cartridge for Beta 91 and Beta 98 Microphone Models. Cardioid, Condenser

RPM110 Supercardioid Cartridge for Beta 91 and Beta 98

Replacement cartridge for Beta 91 and Beta 98 Microphone Models. Supercardioid, Condenser.

RPM626 In-Line Preamp

Preamplifier, Microphone, In-Line, for WBH53, Beta 53, Beta 91, Beta 98, MC50B, and MC51B Microphones.

User Guide English, French, German, Italian, Spanish 328 KB PDF

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:: FAQ's for Beta 98/S